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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. ASMEEX 425A | APPLICATION NO. 10763,948 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Arena, et al. | |
| | | FILING DATE January 23, 2004 | GROUP Unknown |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|-----------------|----------|--------------|-------|----------|---------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| | 29 | US 5,164,813 | 11/17/92 | Blackstone | | | |
| PP | 30 | US 5,175,121 | 12/29/92 | Choi | - | - | - |
| ↑ | 31 | US 5,182,619 | 01/26/93 | Pfiester | - | - | - |
| | 32 | US 5,201,995 | 04/13/93 | Reisman | - | - | - |
| | 33 | US 5,234,857 | 08/10/93 | Kim | - | - | - |
| | 34 | US 5,236,546 | 08/17/93 | Mizutani | - | - | - |
| | 35 | US 5,269,876 | 12/14/93 | Mizutani | - | - | - |
| | 36 | US 5,282,926 | 02/01/94 | Trah | - | - | - |
| | 37 | US 5,324,679 | 06/28/94 | Kim | - | - | - |
| | 38 | US 5,356,510 | 10/18/94 | Pribat | - | - | - |
| | 39 | US 5,403,751 | 04/04/95 | Nishida | - | - | - |
| | 40 | US 5,416,354 | 05/16/95 | Blackstone | - | - | - |
| | 41 | US 5,422,302 | 06/06/95 | Yonehara | - | - | - |
| | 42 | US 5,563,085 | 10/08/96 | Kohyama | - | - | - |
| | 43 | US 5,591,492 | 01/07/97 | Hirai | - | - | - |
| | 44 | US 5,798,278 | 08/25/98 | Chan | - | - | - |
| | 45 | US 5,967,794 | 10/19/99 | Kodama | - | - | - |
| | 46 | US 6,057,200 | 05/02/00 | Prall | - | - | - |
| | 47 | US 6,153,010 | 11/28/00 | Kiyoku | - | - | - |
| | 48 | US 6,225,650 | 05/01/01 | Tadatomo | - | - | - |
| | 49 | US 6,335,251 | 01/01/02 | Miyano | - | - | - |
| | 50 | US 6,348,098 | 02/19/02 | Sunakawa | - | - | - |
| | 51 | US 6,376,318 | 04/23/02 | Lee | - | - | - |
| ✓ | 52 | US 6,555,845 | 04/29/03 | Sunakawa | - | - | - |
| PP | 53 | US 2003/0082300 | 05/01/03 | Todd, et al. | - | - | - |

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| EXAMINER | PHUC T. DANG | DATE CONSIDERED | 3/22/2005 |
| *EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 808; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT. | | | |



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(USE SEVERAL SHEETS IF NECESSARY)

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|-----------------|----------|-------------|-------|----------|---------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| PD | 1 | US 4,578,142 | 3/25/86 | Corboy | 1 | 1 | 1 |
| | 2 | US 4,698,316 | 10/06/87 | Corboy | 1 | 1 | 1 |
| | 3 | US 4,704,186 | 11/03/87 | Jastrzebski | 1 | 1 | 1 |
| | 4 | US 4,710,241 | 12/01/97 | Komatsu | 1 | 1 | 1 |
| | 5 | US 4,728,623 | 03/01/88 | Lu | 1 | 1 | 1 |
| | 6 | US 4,735,918 | 04/05/88 | Parsons | 1 | 1 | 1 |
| | 7 | US 4,749,441 | 06/07/88 | Christenson | 1 | 1 | 1 |
| | 8 | US 4,758,531 | 07/19/88 | Beyer | 1 | 1 | 1 |
| | 9 | US 4,778,775 | 10/18/88 | Tzeng | 1 | 1 | 1 |
| | 10 | US 4,786,615 | 11/22/88 | Llaw | 1 | 1 | 1 |
| | 11 | US 4,793,872 | 12/27/88 | Meunier | 1 | 1 | 1 |
| | 12 | US 4,834,809 | 05/30/89 | Kakihara | 1 | 1 | 1 |
| | 13 | US 4,857,479 | 08/15/89 | McLaughlin | 1 | 1 | 1 |
| | 14 | US 4,873,205 | 10/10/89 | Critchlow | 1 | 1 | 1 |
| | 15 | US 4,891,092 | 01/02/90 | Jastrzebski | 1 | 1 | 1 |
| | 16 | US 4,897,366 | 01/30/90 | Smeltzer | 1 | 1 | 1 |
| | 17 | US 4,923,826 | 05/08/90 | Jastrzebski | 1 | 1 | 1 |
| | 18 | US 4,966,861 | 10/30/90 | Mieno | 1 | 1 | 1 |
| | 19 | US 4,981,811 | 01/01/91 | Feygenson | 1 | 1 | 1 |
| | 20 | US 5,004,705 | 04/02/91 | Blackstone | 1 | 1 | 1 |
| | 21 | US 5,037,775 | 08/06/91 | Reisman | 1 | 1 | 1 |
| | 22 | US 5,045,494 | 09/03/91 | Choi | 1 | 1 | 1 |
| | 23 | US 5,059,544 | 10/22/91 | Burghartz | 1 | 1 | 1 |
| | 24 | US 5,061,644 | 10/29/91 | Yue | 1 | 1 | 1 |
| | 25 | US 5,061,655 | 10/29/91 | Ipposhi | 1 | 1 | 1 |
| | 26 | US 5,112,439 | 05/12/92 | Reisman | 1 | 1 | 1 |
| | 27 | US 5,146,304 | 09/08/92 | Yue | 1 | 1 | 1 |
| PD | 28 | US 5,148,604 | 09/22/92 | Bantien | 1 | 1 | 1 |

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| EXAMINER PHUC T. DANG | DATE CONSIDERED 3/22/2005 |
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*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.